Index of Claims

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/718,820              | MILLER ET AL.                           |
| Examiner                | Art Unit                                |

3683

| 4 | Rejected | _ | (Through numeral)<br>Cancelled |   | 1 | Non-Elected  | A | Appeal   |
|---|----------|---|--------------------------------|---|---|--------------|---|----------|
| = | Allowed  | + | Restricted                     | i |   | Interference | 0 | Objected |

Thomas J. Williams

| Cla                    | aim      | l            |                      |          | Da  | ite            | _        |                         | <u>:</u>     |              | Cla             | im       |          |                   |          | C        | ate      |  |              |           |          |               | CI    | aim        |          |          |              |          | Date     | ,        |          |   | ٦        |
|------------------------|----------|--------------|----------------------|----------|---|----------------|----------|-------------------------|--------------|--------------|-----------------|----------|----------|-------------------|----------|----------|----------|--|--------------|-----------|----------|---------------|-------|------------|----------|----------|--------------|----------|----------|----------|----------|---|----------|
| Final                  | Original |              | 1/20/06              |          |   |                |          |                         |              |              | Final           | Original |          |                   |          |          |          |  |              |           |          |               | Final | Original   |          |          |              |          |          |          |          |   |          |
|                        | 1        | 1            | V                    |          |   |                |          |                         |              |              |                 | 51       |          |                   | ╛        |          |          | ╛  | 寸            | ┪         | ٦        |               |       | 101        | 一        | _        | 7            |          | T        |          | 寸        | $\dashv$  | ヿ        |
|                        | 2        | 1            |                      | $\Box$   | $ m oxedsymbol{oxed}$                             |                |          |                         |              |              |                 | 52       |          |                   |          |          |          |  |              | $\Box$    |          |               |       | 102        |          |          |              |          |          |          |          | T   | ٦        |
|                        | 3        | 1            | $oldsymbol{\square}$ |          |   |                |          |                         |              |              |                 | 53       |          |                   |          |          |          |  |              |           |          |               |       | 103        |          | $\Box$   |              |          |          |          | $\Box$   |   | ┚        |
| <u></u>                | 4        | 1            | 14                   |          | _ _   | _              | <u> </u> | $\perp$                 | Ш            |              |                 | 54       | Ш        | Ц                 | _        | _        | _        | ┙  |              | $\perp$   | ╝        |               |       | 104        |          | $\bot$   |              |          |          | [        |          |   | ⅃        |
| <u> </u>               | 5        | 1            | Ш                    | 4        | 4   | $\perp$        | 1        |                         | Ш            |              |                 | 55       |          | _                 | _        | _        | _        | .  | 4            | _         | _        |               |       | 105        | _        | _        |              |          |          | _        |          | ᆚ   | ╝        |
| ļ                      | 6        | 1            | 14                   | _        | ┵   | 1              | ╄        | $\perp$                 | Щ            |              |                 | 56       | Ц        | $\dashv$          | _        | _        | _        | 4  | 4            | 4         | ᆚ        |               |       | 106        | _        | 4        | 4            |          | Ц        | _        | 4        | 4   | _        |
| <u> </u>               | 7        | 1            | 14                   | -        | +   | ╀              | ╄        | $\perp$                 | Щ            |              |                 | 57       | Ш        | $\dashv$          |          |          | 4        | _  | _            | 4         | ᅬ        |               |       | 107        | _        | _        | 4            | _        | $\dashv$ | _        | $\dashv$ | 4   | ↲        |
| <u> </u>               | 8        | 1            | 13                   | -+       | - -   | - -            | +-       | +-                      | Ш            |              |                 | 58       |          | $\dashv$          |          |          | $\dashv$ | $\dashv$   | +            |           | 4        |               |       | 108        | -        | $\dashv$ | 4            | _        | _        | _        |          | +   | 4        |
|                        | 10       | 7            | 딍                    |          | +   | ╀              | ╁        | +                       | Н            |              | -1              | 59<br>60 | Н        | $\dashv$          | $\dashv$ | -        | +        | -1   | +            | +         | $\dashv$ |               |       | 109        | $\dashv$ | $\dashv$ | 4            | _        |          |          | -        | +   | ᅱ        |
| -                      | 11       | 7            | _                    | $\dashv$ | ╬   | ╁              | ╁        | +                       | Н            |              |                 | 61       | Н        |                   | ┵        |          |          | -+   | +            | +         | ᅱ        |               |       | 110        |          | +        | -            |          | $\dashv$ |          | +        | +   | 4        |
| <del></del>            | 12       |              | 1                    | ┰        |   | +-             | ╁        | +                       | Н            |              | $\vdash \vdash$ | 62       | $\vdash$ | $\vdash \vdash$   | ┥        | -+       | +        | +  | +            | +         | $\dashv$ |               |       | 111<br>112 |          | $\dashv$ | -            |          |          | $\dashv$ | $\dashv$ | +   | $\dashv$ |
|                        | 13       |              | 7                    | +        | +   | +              | +        | +                       | Н            |              | $\vdash \vdash$ | 63       | Н        | $\vdash$          | $\dashv$ | $\dashv$ | -1       | $\dashv$   | +            | +         | ᅱ        |               |       | 113        | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +   | $\dashv$ |
| <del></del>            | 14       |              | 4                    | $\dashv$ | +   | +              | +        | +-                      | H            |              | Н               | 64       | Н        | $\vdash \vdash$   | $\dashv$ | $\dashv$ | $\dashv$ | ┪  | $\dashv$     | +         | $\dashv$ |               |       | 114        |          | $\dashv$ | ┥            | -        | $\dashv$ | $\dashv$ | $\dashv$ | +   | ᅱ        |
|                        | 15       | 1            | 7                    | $\dashv$ | $\top$  | +              | +-       | $\top$                  | Н            |              | $\vdash$        | 65       | H        | $\vdash$          | 7        | +        | -+       | ┪  | $\dashv$     | +         | ᅱ        |               |       | 115        | $\dashv$ | +        | ┪            | $\dashv$ | $\dashv$ | $\neg$   | -+       | $\dashv$  | ᅱ        |
|                        | 16       | 0            | 7                    | 十        | $\top$  | 十              | T        | $\top$                  | П            |              |                 | 66       | Н        | $\dashv$          | 7        | ヿ        | ┪        | 7  | $\top$       | +         | ╗        |               |       | 116        | $\dashv$ | $\dashv$ | ┪            |          | $\dashv$ | $\neg$   | +        | +   | ٦        |
|                        | 17       | 0            | 1                    | -        | 1   | 1              | 1        |                         | П            |              |                 | 67       | П        | $\Box$            | 7        | 7        | 7        | ┪  | $\dashv$     | 7         | ᅥ        | , i           |       | 117        | $\dashv$ | 十        | ┪            |          | $\dashv$ |          | $\dashv$ | 十   | ٦        |
|                        | 18       |              |                      |          |   | 1              | 1        | 1                       |              |              |                 | 68       | П        | $\sqcap$          | ヿ        | $\neg$   | 寸        | 寸  | _            | 十         | ┪        |               |       | 118        | $\neg$   | T        | ┪            | _        | $\neg$   |          | 7        | 十   | ヿ        |
|                        | 19       |              | П                    |          |   |                | Τ        |                         | П            |              |                 | 69       | П        |                   | T        | T        | ヿ        | ヿ  |              | 十         | ٦        |               |       | 119        | ヿ        | $\neg$   | ┪            |          | $\Box$   |          | _        | 十   | ヿ        |
|                        | 20       |              |                      |          |   | Τ              |          |                         |              |              |                 | 70       |          |                   |          |          |          |  |              |           |          |               |       | 120        |          |          |              |          |          |          | $\neg$   | T   | ヿ゙       |
|                        | 21       |              |                      |          |   |                |          |                         |              |              |                 | 71       |          |                   |          |          |          | $\Box$   |              | $\Box$    |          |               |       | 121        |          |          |              |          |          |          |          | T   | ٦        |
| <u></u>                | 22       | _            | Ц                    |          | 4   | ┸              | 上        | $\perp$                 | Щ            |              |                 | 72       | Ш        | Ц                 | $\Box$   | $\Box$   |          |  |              |           |          |               |       | 122        |          |          |              |          |          |          |          | $\perp$   | Ͻ        |
|                        | 23       |              | Ш                    |          | 4   | 4_             | ┸        | $\perp$                 | Щ            |              |                 | 73       |          | _                 |          | _        | 4        | _  | _            |           | ╝        |               |       | 123        |          | $\perp$  | _            |          |          |          |          |   | _]       |
|                        | 24       | $oxed{oxed}$ | Ш                    | _        | 4   | _              | ╄        | Ш                       | Щ            |              |                 | 74       |          | _                 | 4        | 4        | 4        | 4  | 4            | 4         |          |               |       | 124        | _        | _        | _            |          |          | _        | $\dashv$ | ᆚ   | ┙        |
|                        | 25       | <u> </u>     | $\vdash$             | _        | +   | -              | ↓_       | 4                       | Щ            |              |                 | 75       |          | _                 | 4        | _        | 4        | 4  | 4            | 4         | _        |               |       | 125        | _        | 4        | _            |          | _        | _        | 4        | 4   | ↲        |
| -                      | 26       | $\vdash$     | $\vdash$             | $\dashv$ | +   | +              | +-       | +                       | $\mathbf{H}$ |              |                 | 76       | Н        | $\dashv$          | 4        | -        | -        | 4  | _            | 4         | 4        |               |       | 126        | $\dashv$ | $\dashv$ | 4            | _        | _        | _        | 4        | 4   | 4        |
| <b> </b>               | 27       | -            |                      | -        | +   | ┿              | ╀        | ₩                       |              |              |                 | 77       | Н        | $\dashv$          | -        | $\dashv$ | -        |  | $\dashv$     | -         |          |               |       | 127        | _        | +        | 4            |          | _        | _        | $\dashv$ | -   | 4        |
|                        | 28<br>29 | H            | $\vdash$             |          | +   | +-             | ╀        | +                       | $\mathbf{H}$ |              |                 | 78<br>79 | Н        | -                 | $\dashv$ | -        | ┥        | -  | $\dashv$     | +         | _        |               |       | 128        |          | $\dashv$ |              | _        | $\dashv$ | -        |          | +   | 4        |
|                        | 30       | Н            | -                    | +        | +   | +              | ╁        | +                       |              |              |                 | 80       | Н        | $\dashv$          | -+       | +        | -        | -  | +            | +         |          |               |       | 129<br>130 | -        | -        | +            | _        | $\vdash$ | ᅱ        | +        | +   | ┩        |
| $\vdash$               | 31       |              | $\dashv$             | -+       | ┿   | +              | ╁        | +                       |              |              |                 | 81       | $\vdash$ | $\dashv$          | $\dashv$ | $\dashv$ | $\dashv$ | -  | +            | +         | $\dashv$ | ⊪             |       | 131        | $\dashv$ | +        | ┥            | $\dashv$ | $\dashv$ | ᆉ        | -+       | +   | ┨        |
| <b> </b>               | 32       | Н            | ⊢┼                   | $\dashv$ | +   | +-             | +-       | +-                      | $\dashv$     |              |                 | 82       | $\vdash$ |                   | ┥        | -+       | ┪        | $\dashv$   | +            | +         | $\dashv$ | iii l         |       | 132        | $\dashv$ | +        | ┥            | -        | $\dashv$ | $\dashv$ | $\dashv$ | ┰   | ┨        |
|                        | 33       | Н            | H                    | 十        | 十   | +              | +        | +                       | $\dashv$     |              |                 | 83       | $\vdash$ | $\dashv$          | $\dashv$ | +        | $\dashv$ | $\dashv$   | $\dashv$     | +         | $\dashv$ | ⊪∦            |       | 133        | $\dashv$ | $\dashv$ | +            |          |          | ᅱ        | $\dashv$ | +   | $\dashv$ |
|                        | 34       | П            | $\Box$               | 十        | 十   | ✝              | T        | $\top$                  |              |              | $\vdash$        | 84       | Н        | _                 | ┪        | _        | $\dashv$ | 7  | +            | $\dagger$ | ┨        |               |       | 134        | $\Box$   | $\dashv$ | +            | $\neg$   |          | 一        | $\dashv$ | +   | ᅥ        |
|                        | 35       | П            | П                    | $\top$   | 1   | 1              | 1        | 1-1                     |              | :::          | $\Box$          | 85       | П        | _                 | 7        | 一        | $\dashv$ | 7  | 十            | $\top$    | ヿ        | :::: <b>:</b> |       | 135        | $\dashv$ | _        | 7            | $\neg$   |          | $\dashv$ | $\dashv$ | +   | ┨        |
|                        | 36       |              |                      |          |   | T              | T        |                         |              |              |                 | 86       | П        |                   | 7        |          |          | 1  | _            | +         | ┨        |               |       | 136        | _        | $\dashv$ | 7            | $\neg$   | 1        | 一        | 十        | 十   | ヿ        |
|                        | 37       |              |                      |          | I   | I              |          |                         |              |              |                 | 87       |          |                   | ╛        | _ ;      |          |  | 丁            | _         | ╗        |               |       | 137        | _        | 1        | 7            | $\neg$   |          | $\dashv$ | $\dashv$ | $\top$  | ٦        |
|                        | 38       |              |                      | $\Box$   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | I              |          |                         |              |              |                 | 88       |          |                   |          |          |          |  | 工            |           |          |               |       | 138        |          |          |              |          |          | ╗        |          |   | ╛        |
|                        | 39       |              |                      | $\Box$   |   | $\perp$        | $\Box$   | П                       |              |              |                 | 89       |          |                   | J        | $\Box$   |          | $\Box$   | $oxed{\Box}$ | $\prod$   |          |               |       | 139        |          | $\Box$   |              |          |          | 囗        | $\Box$   |   | $\Box$   |
| <u> </u>               | 40       |              |                      | $\perp$  | $\perp$   |                |          |                         |              |              |                 | 90       | $\Box$   | $oldsymbol{\bot}$ | $\Box$   | $\Box$   | $\Box$   | $oldsymbol{ol}}}}}}}}}}}}}}}}$ | $\perp$      | $\perp$   |          |               |       | 140        | $\Box$   |          |              |          |          | $\Box$   | $\Box$   | floor   |          |
| $oxed{oxed}$           | 41       |              | Ц                    | $\perp$  | - -   | 1              | 1        | $\sqcup$                |              |              |                 | 91       | Щ        | $\bot$            | _        |          | $\bot$   |  |              | $\perp$   | ╝        |               |       | 141        |          | $\Box$   | $\Box$       |          |          | $\Box$   | $\Box$   | $oldsymbol{ol}}}}}}}}}}}}}}}$ |          |
| <b> </b>               | 42       | Щ            | Н                    | _        | 4   | +              | ₩        | $\downarrow \downarrow$ | _            |              | <b> </b> _      | 92       | Щ        | _                 | 4        | _        | _        | 4  | 4            | 4         | ┙        |               |       | 142        |          | _        | $\downarrow$ |          | Ц        |          | _[       | Ŀ   | _]       |
| <b> </b>               | 43       | -            | $\vdash$             | 4        | +   | <del> </del> _ | -        | 4-4                     | _            |              | $\sqcup$        | 93       | Ш        | _                 | 4        | 4        | _        | 4  | $\perp$      | 4         | 4        | i l           |       | 143        | 4        | 4        | 4            | _        | $\Box$   | _        | 4        | $\perp$   | ┙        |
|                        | 44       | Щ            | $\dashv$             | +        | +   | +              | ╀        | +                       | _            |              |                 | 94       | Ш        | 4                 | 4        | -        |          | 4  | +            | +         | 4        |               | _     | -144       | _        | 4        | 4            | 4        |          | _        | 4        | 4   | ╝        |
| $\vdash \vdash \vdash$ | 45<br>46 |              | -                    | -        | +   | +-             | ╂        | ╁┷┥                     |              |              |                 | 95       | $\vdash$ | $\dashv$          | -        | -        | -        | 4  | +            | +         | 4        |               |       | 145        | -        | -        | 4            | 4        | $\dashv$ | 4        | 4        | $\bot$  | 4        |
| $\vdash\vdash\vdash$   | 46       | $\dashv$     | $\dashv$             | +        | ┰   | +              | ⊢        | ╂┤                      | -            |              |                 | 96<br>97 | ⊢┩       | ┵                 | 4        | -+       | $\dashv$ | 4  | +            | +         | 4        |               |       | 146        | -        | +        | 4            | _        |          | -        | +        | +   | 4        |
| Н                      | 48       | $\dashv$     |                      | +        | +   | ╁              | ╁        | ╂╼┨                     |              |              |                 | 98       | $\vdash$ | +                 | $\dashv$ | -        | -        | $\dashv$   | +            | +         | $\dashv$ |               |       | 147        |          | +        | +            |          |          |          | $\dashv$ | -   | 4        |
| $\vdash \vdash \vdash$ | 49       | $\dashv$     | $\dashv$             | +        | ╅   | +              | ╁        | ╅╌┪                     | -1           |              |                 | 99       | $\vdash$ | -+                | +        | $\dashv$ | -+       | $\dashv$   | +            | +         | $\dashv$ | ŀ             |       | 148        | -        | $\dashv$ | +            |          |          | $\dashv$ | +        | +   | $\dashv$ |
| $\vdash \vdash$        | 50       |              | -                    | ┰        | ╅   | +              | 十        | ╁┤                      | -            |              |                 | 100      | $\vdash$ | $\dashv$          | ┥        | $\dashv$ | $\dashv$ | +  | +            | +         | $\dashv$ |               |       | 150        | -        | +        | +            | $\dashv$ |          | $\dashv$ | +        | +   | $\dashv$ |
| لــــــا               | 30       |              | 1                    |          |   | <u> </u>       | 上        | ᆚ                       | ''لــــا     | :-' <b>[</b> |                 | 100      |          |                   |          | L        |          |  | L            |           |          | •             |       | 150        |          | L        |              |          |          | _1       |          |   | - 1      |